ENGLISH

CDI-E185

Safety Precautions

Be sure to read, understand and follow the safety precautions below when using the camera, in order to prevent injury, burns or electrical shock to yourself and others.

Be sure to also read the safety precautions listed in the *Advanced Camera User Guide*.

⚠Warnings

- Do not trigger the flash in close proximity to human or animal eyes.
- Store this equipment out of the reach of children and infants.
- Avoid dropping or subjecting the camera to severe impacts. Do not touch the flash portion of the camera if it has been damaged.
- Stop operating the equipment immediately if it emits smoke or noxious fumes.
- Do not handle the power cord if your hands are wet.

Canon

CDI-E185-010

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Canon

PowerShot A410

DIGITAL CAMERA

Preparations

Shooting

Playback/Erasing

Menus and Settings

Printing

Downloading Images to a Computer

Basic Camera User Guide

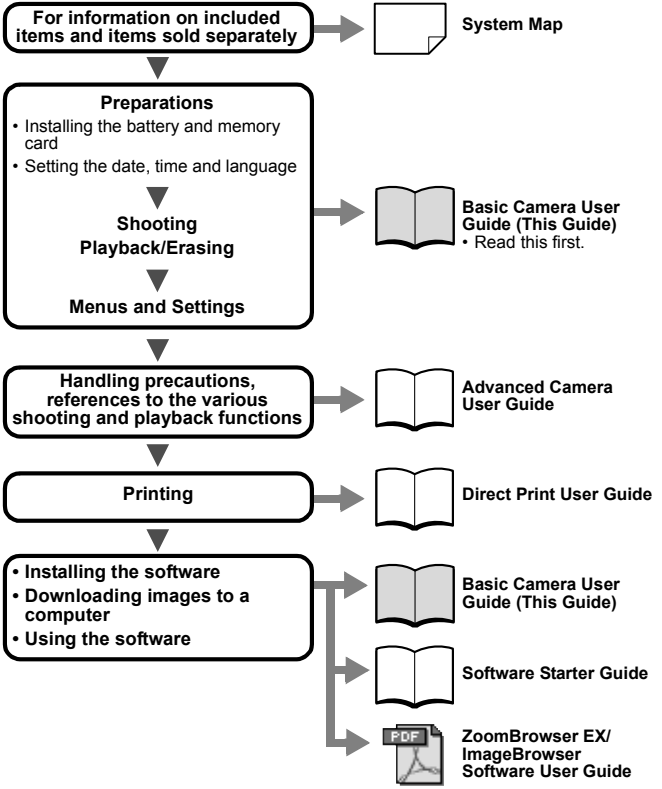
Please Read This First

This guide explains how to prepare the camera and use its basic features.

DiG!C II PictBridge DIRECT PRINT BUBBLE JET DIRECT Exif Print DPOF

Flowchart and Reference Guides

The following guides are available. Refer to them as necessary according to the flowchart below.

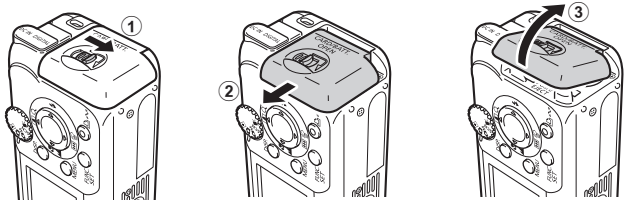

For information on included items and items sold separately
System Map
Preparations
• Installing the battery and memory card
• Setting the date, time and language
Shooting
Playback/Erasing
Menus and Settings
Basic Camera User Guide (This Guide)
• Read this first.
Handling precautions, references to the various shooting and playback functions
Advanced Camera User Guide
Printing
Direct Print User Guide
• Installing the software
• Downloading images to a computer
• Using the software
Basic Camera User Guide (This Guide)
Software Starter Guide
PDF
ZoomBrowser EX/ ImageBrowser Software User Guide
• PDF manuals available on the Canon website.
http://web.canon.jp/Imaging/information-e.html

You can use SD* memory cards and MultiMediaCards with this camera. These cards are collectively called memory cards in this guide.

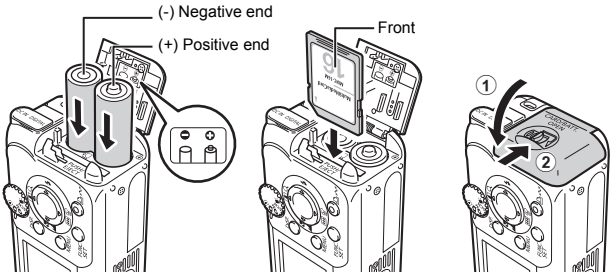
* SD stands for Secure Digital, a copyright protection system.

Installing the Battery and Memory Card

1 Open memory card slot/battery cover.



2 Insert the batteries, and insert the memory card until it clicks into place, then close the cover.

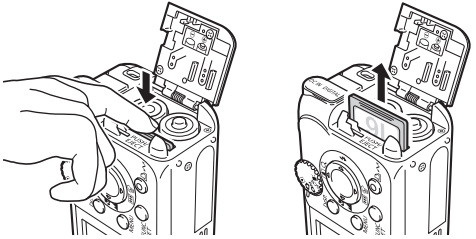


➔ See the *Advanced Guide*: Battery Handling (p. 83)
➔ See the *Advanced Guide*: Handling the Memory Card (p. 85)

Ensure that the memory card is correctly oriented before inserting it in the camera. It may damage the camera if inserted incorrectly.

To Remove the Memory Card

Use a finger to push the memory card in until you hear a click, then release it.

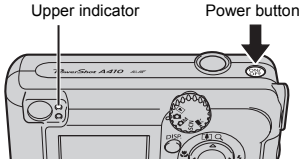


First Time Settings

Setting the Date/Time

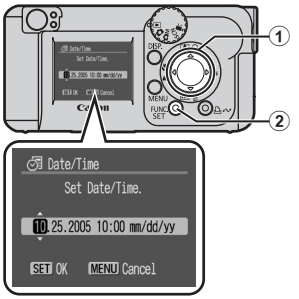
1 Press the power button until the upper indicator lights green.

To turn the power off, press the power button once more.
Hold down the **MENU** button and press the power button to turn off all operation sounds (except warnings).



2 Select the item you wish to set using the ◀ or ▶ button and set its value using the ▲ or ▼ button (①).

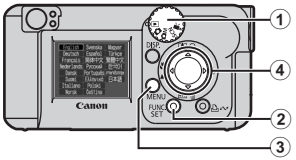
3 Confirm that the correct time is displayed and press the FUNC./SET button (②).



→ The date/time can also be set in the Set up menu (p. 11)

Setting the Display Language

1 Set the mode dial to ▶ (playback) (①).



2 Hold down the FUNC./SET button (②) and press the MENU button (③).

3 Use the ▲, ▼, ◀ or ▶ button (④) to select a language and press the FUNC./SET button (②).

→ The language can also be set in the Set up menu (p. 11)

Shooting

1 Set the mode dial to (Auto).

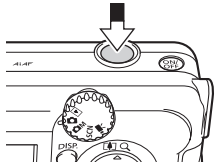
2 Aim the camera at the subject.

Be careful not to block the flash with your finger.

3 Press the shutter button halfway to focus.

The camera beeps twice and the upper indicator lights green when the camera focuses.

Pressing halfway
(Lightly press)



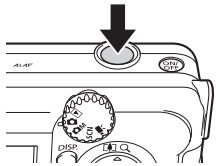
The beep will sound one time if the subject is difficult to focus on.

See the *Advanced Guide*: Shooting Hard-to-Focus Subjects (p. 42)

4 Press the shutter button fully (all the way) to shoot.

The camera will beep once and the image will record.

Pressing fully
(Pressing all the way)



See Basic Shooting Functions (p. 5)
See the *Advanced Guide* to verify the advanced shooting method.
See the *Advanced Guide*: Movie Shooting (p. 37)

Reviewing an Image Right After Shooting

After a shot is taken, the image appears in the LCD monitor for approximately 2 seconds.
To override this time limit and continue displaying the image, use one of the following methods:

- Keep the shutter button fully depressed after taking the shot.
- Pressing the **FUNC./SET** button while the image is displayed in the LCD monitor.*

Press the shutter button halfway again to stop displaying it.

* This operation is not available in the stitch assist mode (p. 6)

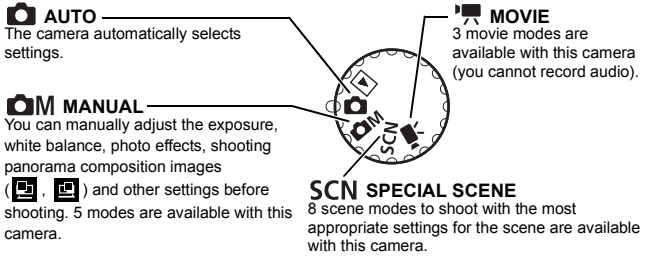
See the *Advanced Guide*: Changing the Review Duration (p. 24)

Basic Shooting Functions

Selecting a Shooting Mode

Use the mode dial and menu to select the Shooting modes.

Mode Dial


AUTO
The camera automatically selects settings.
MANUAL
You can manually adjust the exposure, white balance, photo effects, shooting panorama composition images (,) and other settings before shooting. 5 modes are available with this camera.
MOVIE
3 movie modes are available with this camera (you cannot record audio).
SCN SPECIAL SCENE
8 scene modes to shoot with the most appropriate settings for the scene are available with this camera.

See the *Advanced Guide*: Shooting in Manual Mode (p. 31)
See the *Advanced Guide*: Movie Shooting (p. 37)

Selecting a Shooting Mode

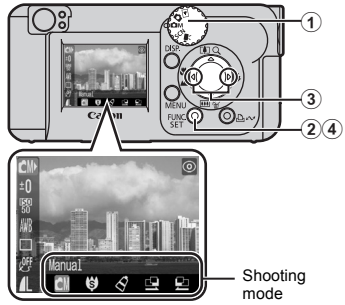
In the M, SCN, and modes, the same procedure is used for selecting shooting modes. The following explanation uses the M mode as an example.

1 Set the mode dial to M (①).

2 Press the FUNC./SET button (②).

3 Use the ◀ or ▶ button to select a shooting mode (③).

4 Press the FUNC./SET button (④).



M Mode Items

Manual
Allows you to select settings yourself, such as the exposure compensation, white balance or photo effect.
See the *Advanced Guide* (p. 31)

Super Macro
Allows you to take magnified shots of subjects closer than standard Macro mode (p. 9).
Shooting is possible when the distance from the front of the lens to the subject is in the following range: 1.5 to 5 cm (0.6 to 2 in.) (maximum wide angle)
See the *Advanced Guide* (p. 31)

My Colors
Allows you to change the image colors easily with 8 modes.
See the *Advanced Guide* (p. 49)

Stitch Assist
Use this mode when taking shots that you want to combine into a panorama.
See the *Advanced Guide* (p. 39)

Movie Mode Items

Allows you to shoot a movie just by pressing the shutter button.
The following three movie modes are available;
Standard, Compact for sending movies as e-mail attachments and My Colors to change image colors easily.

Special Scene Mode Items

Portrait
Blurs the background and makes a person stand out.

Night Snapshot
Allows you to take snapshots of people against twilight or night backgrounds by reducing the effects of camera shake even without using a tripod.

Kids&Pets
Allows you to capture subjects that move around, such as children and pets, without missing photo opportunities.

Indoor
Prevents camera shake and maintains the subject's true color when shooting under fluorescent or tungsten lighting.

Foliage
Shoots trees and leaves - such as new growth, autumn leaves or blossoms - in vivid colors.

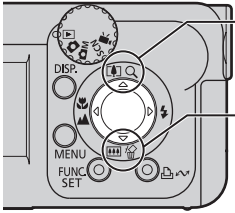
Snow
Shoots without a blue tinge and without making people appear dark against a snowy background.

Beach
Shoots without making people appear dark near water or sand where reflected sunlight is strong.

Fireworks
Captures fireworks in the sky sharply and at an optimal exposure.

Using the Zoom

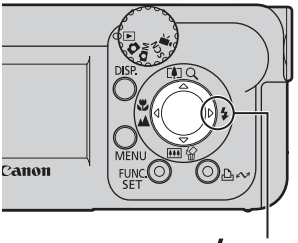
The zoom can be adjusted from 41 – 131 mm in 35 mm film equivalent terms.



Telephoto
Zooms in on the subject.

Wide Angle
Zooms out from the subject.

Using the Flash



- Auto
- Auto with red-eye reduction*
- Flash on with red-eye reduction*
- Flash on
- Flash off
- Slow Synchro

button

Press this button to cycle through flash settings. (Flash settings cannot be used in some shooting modes.)

* Red-Eye Reduction: This feature reduces the effect of light reflecting back from the eyes and making them appear red.

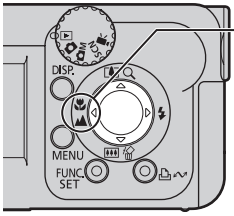
Shooting

Distance ranges for shooting with the flash are 47 cm to 3.0 m (1.5 to 10 ft.) (W) and 47 cm to 2.0 m (1.5 to 6.6 ft.) (T).

- You are recommended to shoot with the camera attached to a tripod or other device if the camera shake warning icon appears.
- blinks while recharging. You can shoot after lights.

See the *Advanced Guide*: Functions Available in Each Shooting Mode (p. 112)

Shooting Close-Ups/Infinity Shots



button
When you press this button, or appears on the LCD monitor.
To cancel the macro/infinity mode: press the button to remove or from the display.

(Macro): Use this mode to shoot close-ups of flowers or small items.

Image Area at Minimum Shooting Distance from End of Lens to Subject
Maximum wide angle setting: 49 × 37 mm (1.9 × 1.5 in.)
(Minimum shooting distance: 5 cm (2 in.))
Maximum telephoto setting: 71 × 53 mm (2.8 × 2.1 in.)
(Minimum shooting distance: 25 cm (9.8 in.))

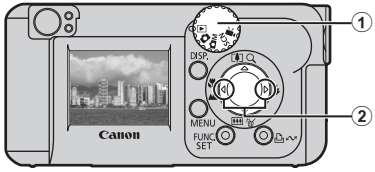
(Infinity): Use this mode to record subjects 3 m (9.8 ft.) or more distant. Also use this mode for compositions combining both near and distant objects.

- Use the LCD monitor to compose close-ups in macro mode since images composed with the viewfinder may be off-center.
- Exposure may not be optimal when the flash is used in Macro mode.

See the *Advanced Guide*: Magnified Close-Up Shooting (p. 31)
See the *Advanced Guide*: Using the Digital Zoom (p. 32)
See the *Advanced Guide*: Functions Available in Each Shooting Mode (p. 112)

Playback

1 Set the mode dial to ▶ (playback) (①).



2 Display the image you wish to view.

Use the ◀ or ▶ button to select the image (②).
Use the ◀ button to move to the previous image and the ▶ button to move the next image.

➔ See the *Advanced Guide* to verify the advanced playback function.
➔ See the *Advanced Guide*: Viewing Movies (p. 58)

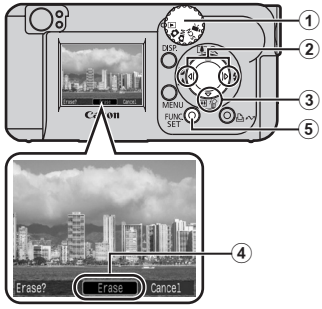
Erasing

1 Set the mode dial to ▶ (playback) (①).

2 Use the ◀ or ▶ button to select the image you wish to erase (②).

3 Press the 🗑 button (③).

4 Confirm that [Erase] is selected (④) and press the FUNC./SET button (⑤).
To exit instead of erasing, select [Cancel].



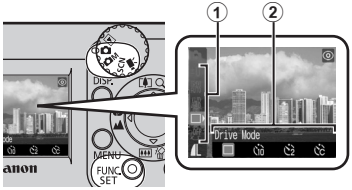
➔ See the *Advanced Guide*: Erasing All Images (p. 64)

Please note that erased images cannot be recovered. Exercise adequate caution before erasing an image.

Menus and Settings

FUNC. Menu

From this menu you can specify self-timer, resolution size, and other settings for shooting.



When the camera is set to shooting mode, press the **FUNC./SET** button.

To select an item (①)
Press the ▲ or ▼ button.

To change the setting (②)
Press the ◀ or ▶ button.

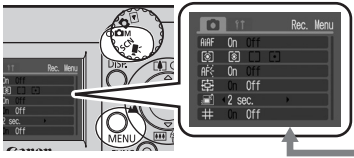
When you finish making settings
Press the **FUNC./SET** button.

See the *Advanced Guide*: Menus and Settings (p. 22)

Rec./Play/Set up Menus

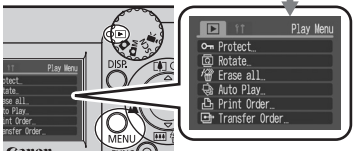
From these menus you can specify related to camera functions. There are three menus: [Rec. Menu], [Play Menu], and [Set up Menu].

From shooting mode



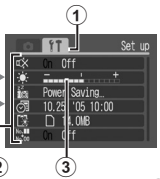
Press the **MENU** button.

From playback mode



Press the **MENU** button.

To switch between menus (①)
When the menu icon is selected, press the ◀ or ▶ button.



To select an item (②)
Press the ▲ or ▼ button.

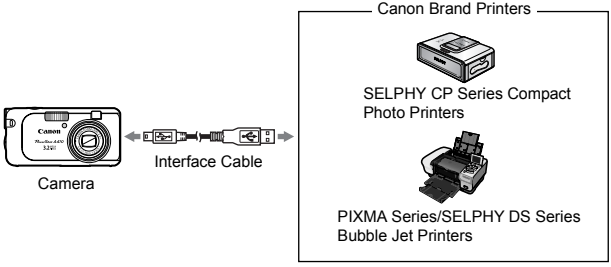
To change the setting (③)
Press the ◀ or ▶ button.
When "..." appears by an item, press the **FUNC./SET** button to display the set up screen, and then use the ▲, ▼, ◀ or ▶ button to change the settings.

When you finish making settings
Press the MENU button.

Printing

Connect the camera to a direct print compatible printer with a cable and simply press the button on the camera.

1 Connect the camera to a Canon Direct Print compatible printer and turn on the printer's power.

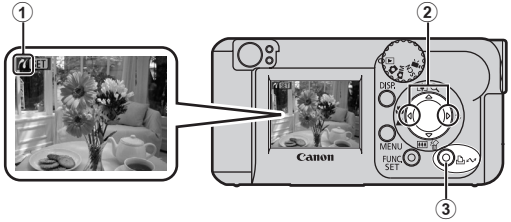


2 Power on the camera in Playback mode. Confirm that , or is displayed in the upper left of the LCD monitor (①).

- The button lights blue.
- The displayed icon will vary according to the printer model.

3 Select an image to print (②) with the ◀ or ▶ button and press the button (③).

The button will blink blue and printing will start.

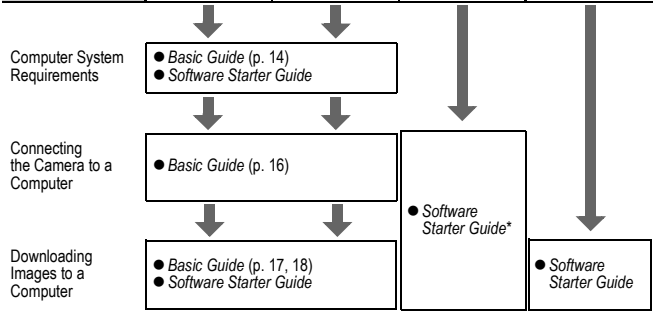


→ See the *Advanced Guide:* Setting the DPOF Print Settings (p. 65)
→ See the *Direct Print User Guide*
→ See the user guide for Your Printer

Downloading Images to a Computer

The following methods can be used to download images recorded by the camera to a computer. Some methods, depending on the OS used, may not be available. Please read *System Requirements* (p. 14) in advance.

	Camera to Computer Connection			Memory Card Reader
Supplied Software	Install It		Do Not Install It	
Downloading Method	Computer Procedure	Camera Procedure	Computer Procedure	Computer Procedure
Windows 98 SE	●	●	—	●
Windows 2000	●	●	—	●
Windows Me	●	●	—	●
Windows XP	●	●	●	●
Mac OS X	●	●	●	●


Computer System Requirements
● *Basic Guide* (p. 14)
● *Software Starter Guide*
Connecting the Camera to a Computer
● *Basic Guide* (p. 16)
● *Software Starter Guide**
Downloading Images to a Computer
● *Basic Guide* (p. 17, 18)
● *Software Starter Guide*
● *Software Starter Guide*

* Please also see the Windows XP and Mac OS X Users leaflet.

System Requirements

Please install the software on a computer meeting the following minimum requirements.

Windows

OS	Windows 98 Second Edition (SE) Windows Me Windows 2000 Service Pack 4 Windows XP (including Service Pack 1 and Service Pack 2)
Computer Model	The above OS should be pre-installed on computers with built-in USB ports.
CPU	Pentium 500MHz or higher processor
RAM	Windows 98 SE/Windows Me : 128 MB or more Windows 2000/Windows XP : 256 MB or more
Interface	USB
Free Hard Disk Space	● Canon Utilities - ZoomBrowser EX : 250 MB or more (Including the PhotoRecord printing program) - PhotoStitch : 40 MB or more ● Canon Camera TWAIN Driver : 25 MB or more ● Canon Camera WIA Driver : 25 MB or more ● ArcSoft PhotoStudio : 50 MB or more
Display	1,024 × 768 pixels/High Color (16 bit) or better

Macintosh

OS	Mac OS X (v10.2–v10.3)
Computer Model	The above OS should be pre-installed on computers with built-in USB ports.
CPU	PowerPC G3/G4/G5
RAM	256 MB or more
Interface	USB
Free Hard Disk Space	● Canon Utilities - ImageBrowser : 200 MB or more - PhotoStitch : 40 MB or more ● ArcSoft PhotoStudio : 50 MB or more
Display	1,024 × 768 pixels/32,000 Colors or better

Preparing to Download Images

Ensure that you install the software first before connecting the camera to the computer.

Items to Prepare

- Camera and computer
- Canon Digital Camera Solution Disk supplied with the camera
- Interface cable supplied with the camera (use the supplied interface cable)

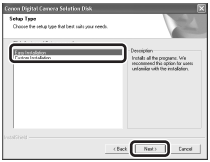
1 Install the software.

1. **Place the Canon Digital Camera Solution Disk in the computer's CD-ROM drive.**

   Macintosh
   Double-click the [Canon Digital Camera Installer] icon in the CD-ROM window.

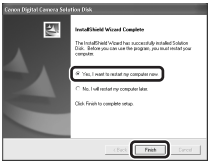
2. **Click the Digital Camera Software [Install] button, then click [Next].**

3. **Select [Easy Installation] as the setup type and click [Next].**
   Proceed with the installation, confirming the contents as you proceed.



4. **When the installation is finished, select [Yes, I want to restart my computer now.] and click [Finish].**

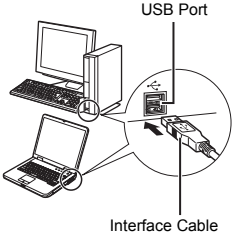
   Macintosh
   When the installation is finished, click [OK].

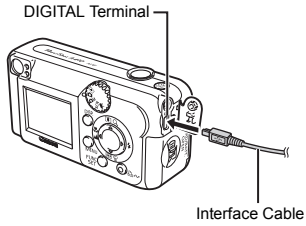

Canon Digital Camera Solution Disk
InstallShield Wizard Complete
Yes, I want to restart my computer now.
No, I will restart my computer later.
Click Finish to complete setup.
Finish

5. **Remove the disk from the CD-ROM drive after restarting.**

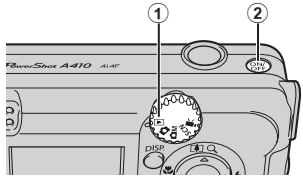
2 Connecting the camera to a computer.

1. **Use the supplied interface cable to connect the computer's USB port to the camera's DIGITAL terminal.**
   With your fingernail on the left edge of the camera's DIGITAL terminal cover, open it forward and plug the interface cable in all the way.





2. **Set the mode dial to ▶ (playback) (①), turn on the power (②).**
   The camera and computer will be able to communicate.



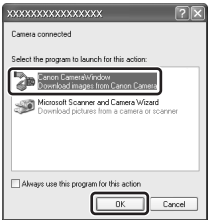
Always grasp the connector's sides to remove the interface cable from the camera's DIGITAL terminal.

Windows
If the Digital Signature Not Found window appears, click [Yes]. The USB driver will automatically finish installing onto the computer when you attach the camera and open a connection.

Downloading Images to a Computer (Windows)

A window allowing you to set the preferences will appear when a connection is established between the camera and computer.

1 Select [Canon CameraWindow] and click [OK] (first time only).

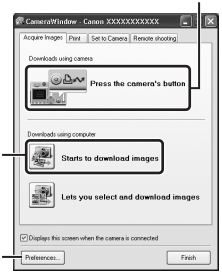


> If the window to the right does not appear, click the [Start] menu and select [All Programs] or [Programs], followed by [Canon Utilities], [CameraWindow] and [CameraWindow].

2 Download the images.

- Download the images using the camera or the computer.
- By default, the downloaded images are saved into the [My Pictures] folder.

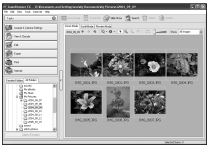
Downloading Images Using the Camera (p. 19)



Downloading Images Using a Computer. By default, all images that have yet to be downloaded will download.

You can set the type of image to download and the destination folder.

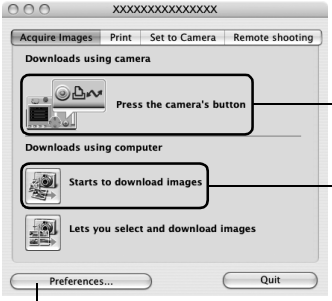
Thumbnails (small versions) of the downloaded images will display in the ZoomBrowser EX Main Window. By default, the downloaded images are saved into subfolders according to their shooting dates.



Downloading Images to a Computer Macintosh

The following window opens when you establish a connection between the camera and computer. If it fails to appear, click the [Canon CameraWindow] icon on the Dock (the bar that displays at the bottom of the desktop).

Download images by "using camera" or "using computer".



Downloading Images Using the Camera

Downloading Images Using a Computer. By default, all images that have yet to be downloaded will download.

You can set the type of image to download and the destination folder.

Thumbnails (small versions) of the downloaded images will display in the ImageBrowser Browser Window. By default, the downloaded images are saved into folders according to their shooting dates.

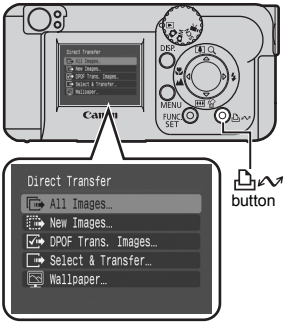
Thumbnails

Downloading Images Using the Camera (Direct Transfer)

Use this method to download images using camera operations. Install the supplied software and adjust the computer settings before using this method for the first time (p. 15).

When the camera and computer will be able to communicate, the button will light blue and the Direct Transfer menu is displayed on the camera's LCD monitor.
At this point, images can be transferred using camera operations.

If the Direct Transfer menu is not displayed, press the **MENU** button.

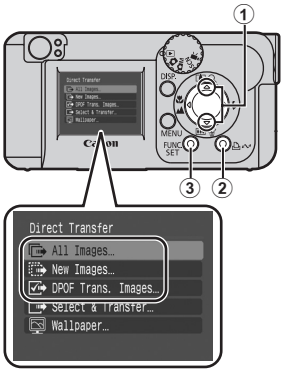


You can select the following methods in the Direct Transfer.

All Images	Transfers and saves all images to the computer.
New Images	Transfers and saves to the computer only the images that have not been previously transferred.
DPOF Trans. Images	Transfers and saves to the computer only the images with DPOF Transfer Order settings (*Advanced Guide*: Setting the DPOF Print Settings p. 65).
Select & Transfer	Transfers and saves single images to the computer as you view and select them.
Wallpaper	Transfers and saves single images to the computer as you view and select them. The transferred images display on the computer desktop.

All Images/New Images/DPOF Trans. Images

Select , or (①) with the ▲ or ▼ button and press the button (②).



The images will download.

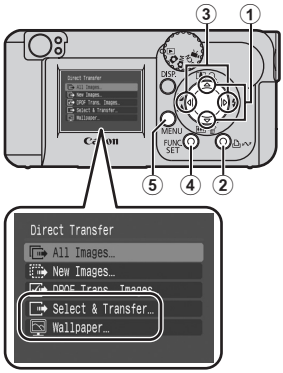
To cancel the transfer, press the **FUNC./SET** button.
The display will return to the Direct Transfer menu when the download is complete.

Select & Transfer/Wallpaper

1 Select or (①) with the ▲ or ▼ button and press the button (or the FUNC./SET button) (②).

2 Select images to download with the ◀ or ▶ button (③) and press the button (or the FUNC./SET button) (④).

- The images will download.
- The button will blink blue while downloading is in progress.
- Images can also be selected during index playback.



3 Press the MENU button (⑤).

The display will return to the Direct Transfer menu.

Only JPEG images can be downloaded as wallpaper for a computer. On the Windows platform, the files are automatically created as BMP images.

The option selected with the button is retained even when the camera's power is turned off.
The previous setting will be in effect the next time the Direct Transfer menu is displayed. The image selection screen will appear directly when the [Select & Transfer] or the [Wallpaper] option was last selected.